What is claimed is:

Subal 1. An image display device in a digital TV, comprising:

a data processing part for executing bit map conversion,

5   compression, restoration and format-conversion for text data;

a memory for storing the bit map data obtained according to

the bit map conversion and compression in said data processing

part and image data inputted from an arbitrary receiving part,

and the receiving part receives either digital image data or

10   analog image data;

an image outputting part for reading the image data from the

memory; and

a display processing part for mixing the image data read

from the image outputting part and the bit map data converted

15   into format by the data processing part.

2.   The device as defined in claim 1, wherein the data

processing part comprises a bit map converter for determining

whether the text data is the bit map data and converting the text

20   data into the bit map data, based upon the determined result, and

a bit map compressor for compressing the bit map data by using a

predetermined compression coding.

25

3.   The device as defined in claim 2, wherein the data processing part further comprises a bit map decompressor for reading the compressed bit map data from the memory to thereby restore the read data to its original bit map data, and a format converter for converting the format of the decompressed bit map data to correspond with the display resolution.

4.   The device as defined in claim 1, wherein the text data being at least one among HTML data, DHTML data, XML data, SGML data and bit map data.

5.   The device as defined in claim 2, wherein the bit map converter converts the text data into the bit map data, if it is determined that the text data is not the bit map data.

6.   The device as defined in claim 2, wherein the bit map converter bypasses the text data if it is determined that the text data is the bit map data.

20   7.   The device as defined in claim 2, wherein the predetermined compression coding is a run-length compression coding.

8. The device as defined in claim 1, wherein the memory stores either the first bit map data or the second bit map data previously set.

9. The device as defined in claim 1, wherein the conversion of the text data is carried out by using either the first bit map data or the second bit map data.

10. The device as defined in claim 3, wherein the format converter adjusts the resolution by integrating real number times to either a horizontal direction or a vertical direction of the decompressed bit map data.

11. A data processing device in a digital TV, comprising:

a bit map converter for determining whether the text data is bit map data, and converting the text data into the bit map data based upon the determined result;

a bit map compressor for compressing the bit map data by using a predetermined compression coding;

a bit map decompressor for reading the compressed bit map data from the memory for restoring the read data back to its original bit map data; and

a format converter for converting the format of the decompressed bit map data to correspond with display resolution.

27

12. The device as defined in claim 11, wherein the text data being at least one among HTML data, DHTML data, XML data, SGML data and bit map data.

5

13. The device as defined in claim 11, wherein the bit map converter converts the text data into the bit map data if it is determined that the text data is not the bit map data.

10

14. The device as defined in claim 11, wherein the bit map converter bypasses the text data if it is determined that the text data is the bit map data.

15. The device as defined in claim 11, wherein the predetermined compression coding is a run-length compression coding.

16. The device as defined in claim 11, wherein the conversion of the text data is carried out by using either the

20 first bit map data or the second bit map data previously stored in the memory.

17. The device as defined in claim 11, wherein the format converter adjusts the resolution by integrating real number times

28

by either the horizontal direction or the vertical direction of the decompressed bit map data.

18.   A data processing device in a digital TV, comprising:

a bit map converter for determining whether text data is bit map data and converting the text data into the bit map data, based upon the determined result;

a format converter for converting the format of the decompressed bit map data to correspond with display resolution;

a bit map compressor for compressing the bit map data by using a predetermined compression coding; and

a bit map decompressor for reading the compressed bit map data from the memory for restoring the read data back to its original bit map data.

19.   The device as defined in claim 18, wherein the conversion of the text data is carried out by using either the first bit map data or the second bit map data previously stored in said memory.

20.   The device as defined in claim 18, wherein the format converter adjusts the resolution by integrating real number times to either the horizontal direction or the vertical direction of the decompressed bit map data.